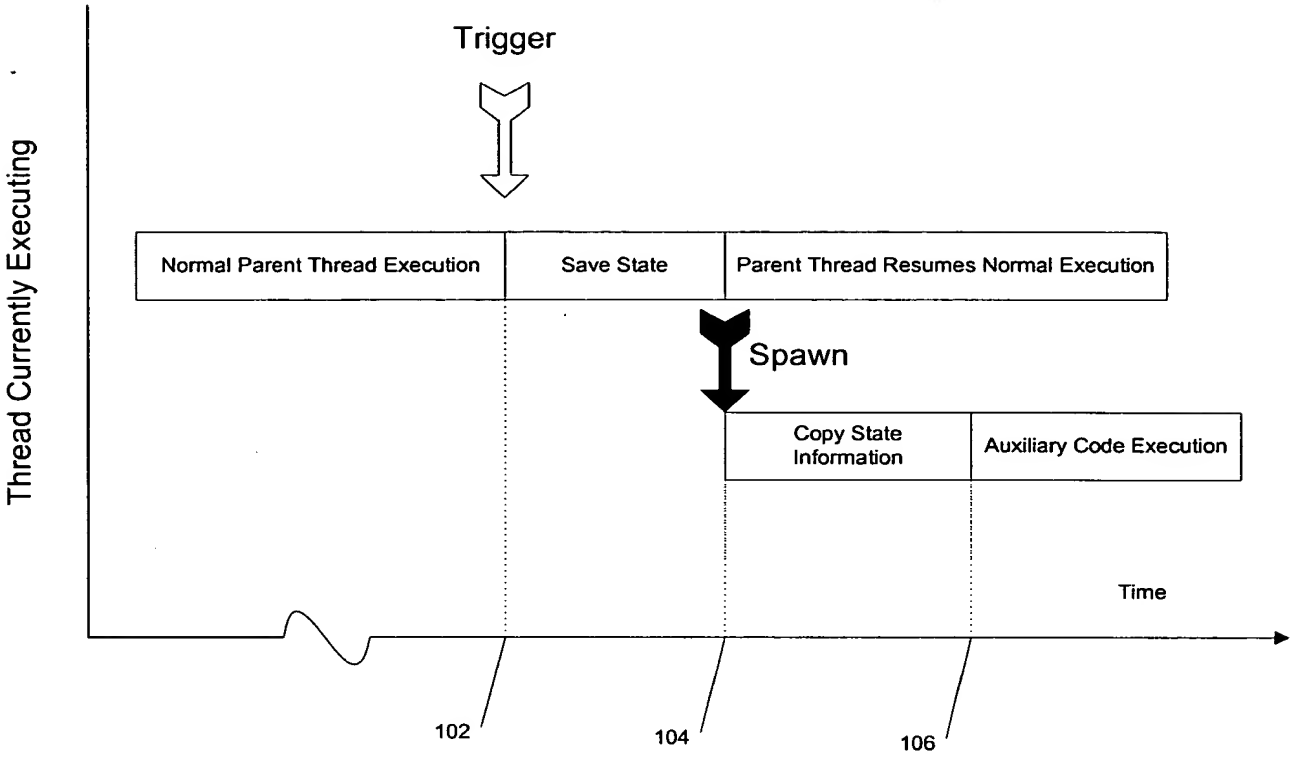
Trigger
Thread Currently Executing
Normal Parent Thread Execution
Save State
Parent Thread Resumes Normal Execution
Spawn
Copy State Information
Auxiliary Code Execution
Time
102
104
106

Figure 1

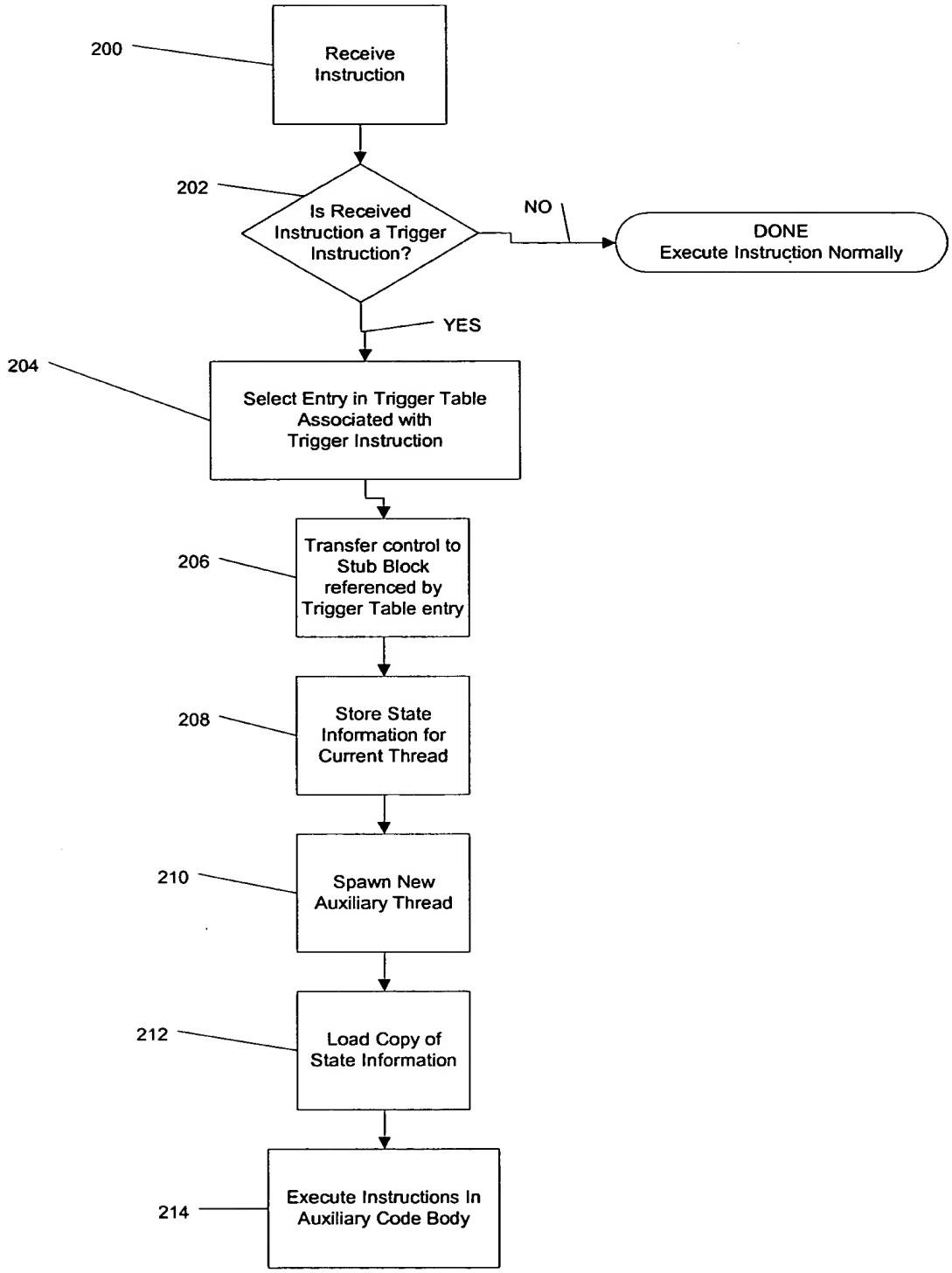
200
Receive Instruction
202
Is Received Instruction a Trigger Instruction?
NO
DONE
Execute Instruction Normally
YES
204
Select Entry in Trigger Table Associated with Trigger Instruction
206
Transfer control to Stub Block referenced by Trigger Table entry
208
Store State Information for Current Thread
210
Spawn New Auxiliary Thread
212
Load Copy of State Information
214
Execute Instructions In Auxiliary Code Body

Figure 2

09865585 - 052404

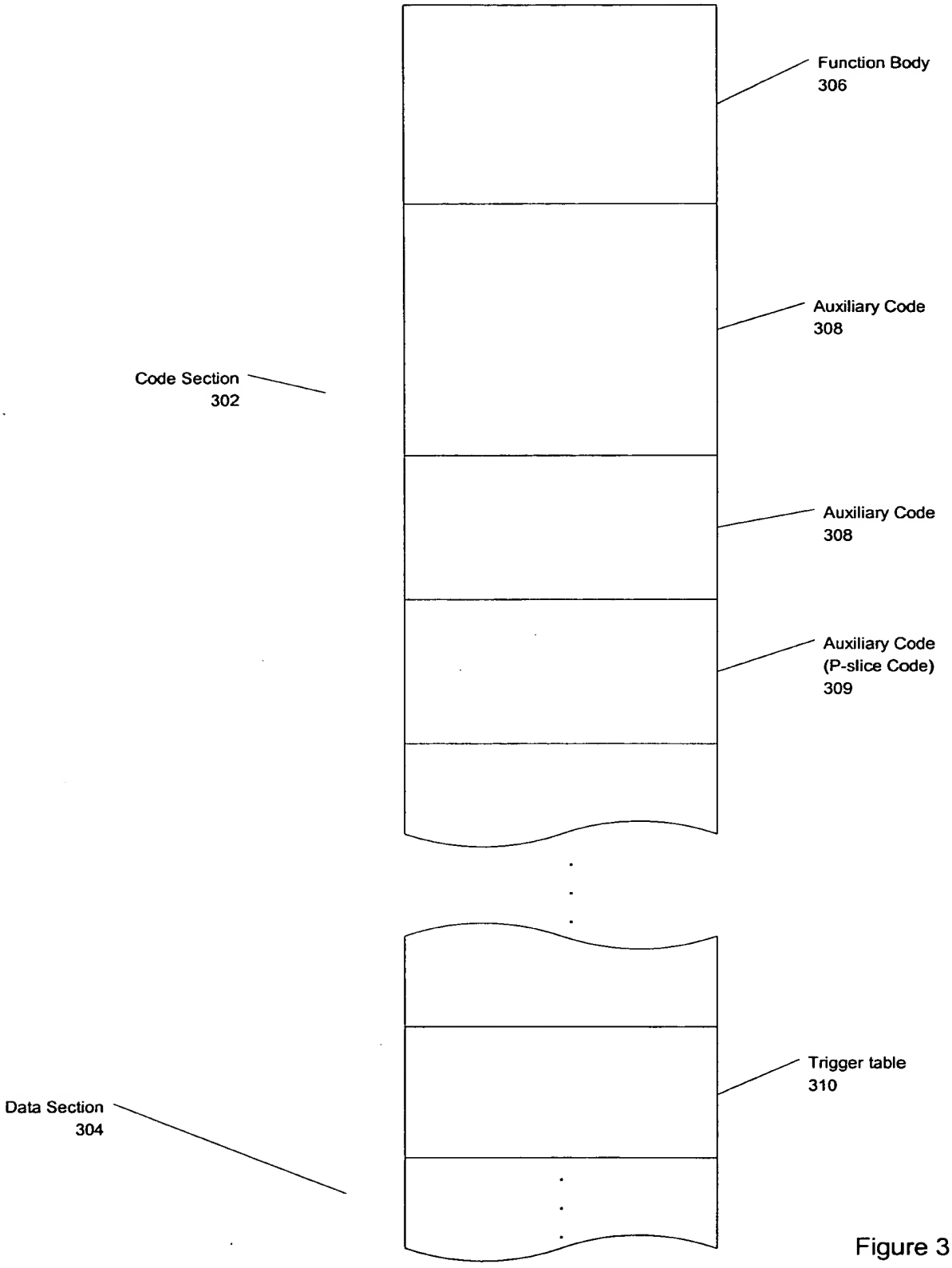

Figure 3

Docket No. 50277-0194

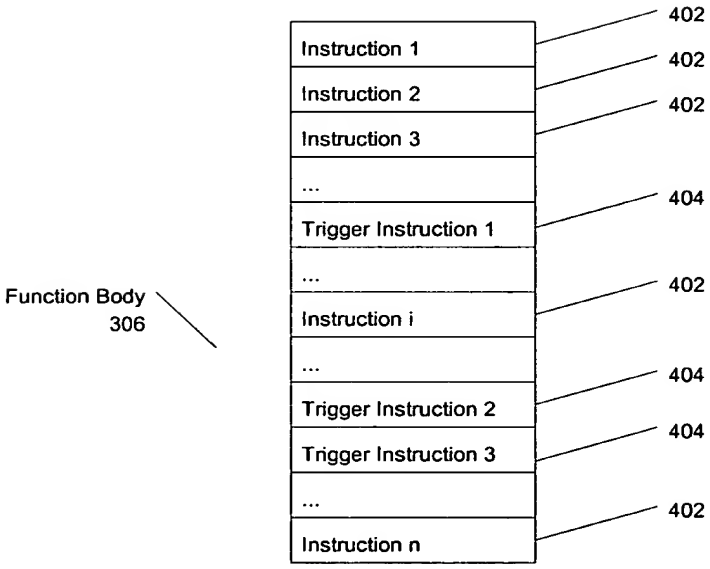

Figure 4

5060503.060201

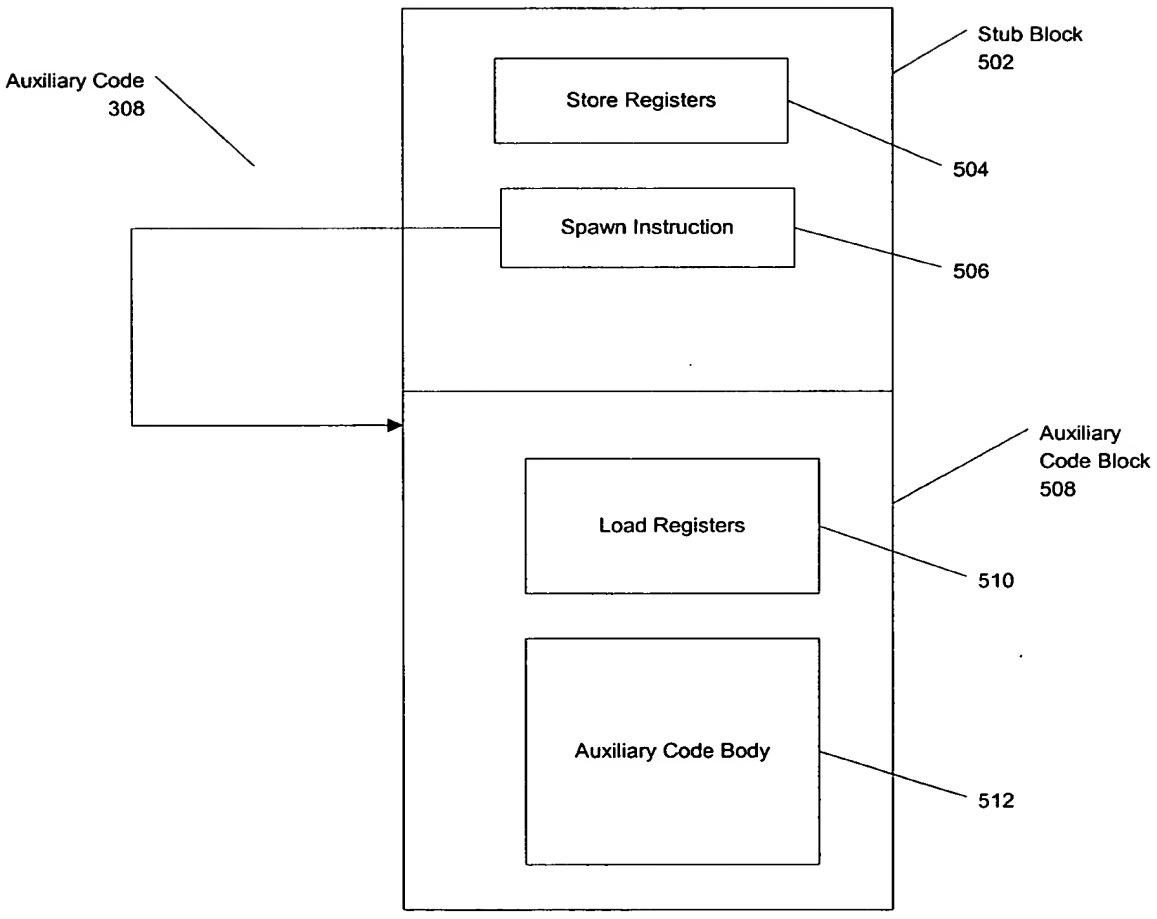

Figure 5

0606954.0

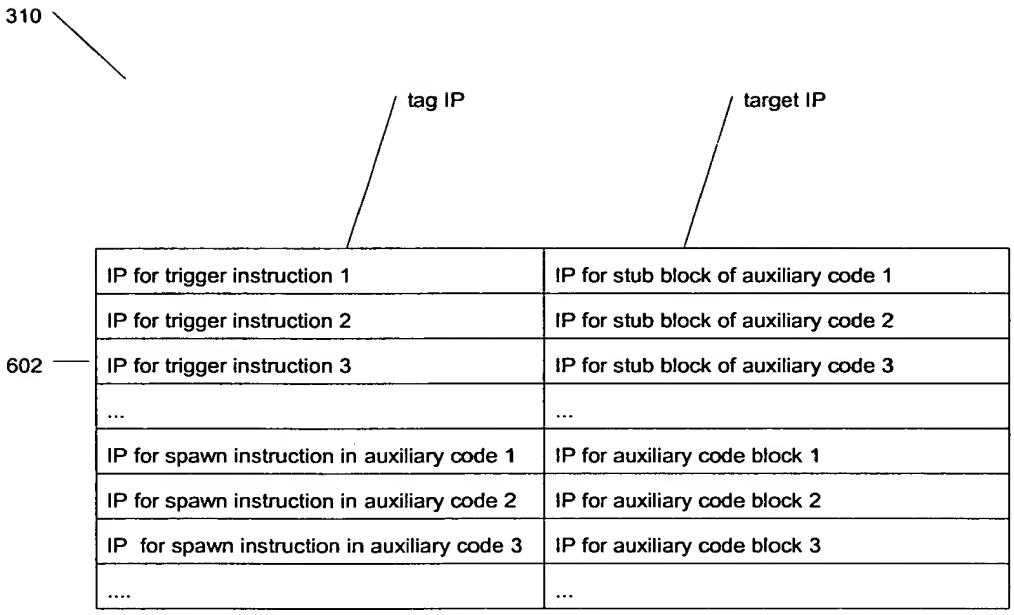

Figure 6

Docket No. 50277-2004

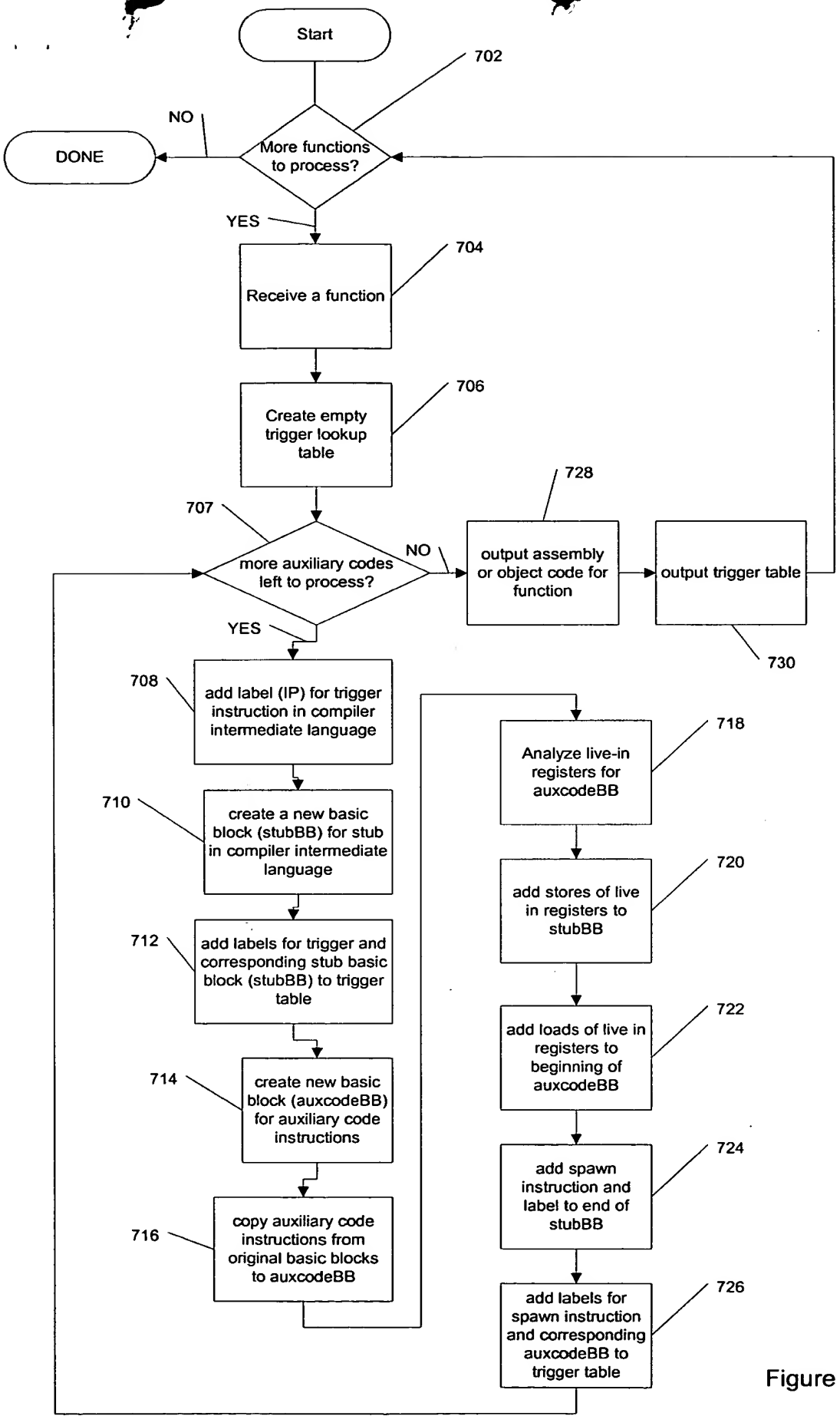

Figure 7